Special Issue

Clinical Application of Lipid-Based Nanocarriers: Is There a Chance?

Message from the Guest Editor

Recently, various nanotechnology platforms in the area of medical biology and therapies have gained remarkable attention. Moreover, research and development of engineered multifunctional nanoparticles as pharmaceutical drug carriers have spurred the exponential growth of applications in medicine during the last decade. Design principles of these nanoparticles are primarily based on the unique assemblies of synthetic, natural, or biological components, including but not limited to synthetic polymers, metal ions, oils, and lipids as building blocks. It is a fact that the potential success of these systems in the clinic is dependent on the consideration of important parameters such as formulation strategies, their physical properties, drug-loading efficiencies, drug release potential and, most importantly, minimal toxicity of the carrier itself. The Special Issue will cover recent advances in the development of lipid-based nanocarriers, highlighting the efforts of researchers in concretizing the clinical application of these innovative systems.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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